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PATENT #5
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Samuel J. Brewer Confirmation No. 5877
Serial No.: 09/932,957
Filed: August 21, 2001 Customer No.: 28863
Examiner: Unknown
Group Art Unit: 2681
Docket No.: 1023-337US01
Title: TRANSMITTER SYSTEM FOR WIRELESS COMMUNICATIONS WITH
IMPLANTED DEVICES

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CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being deposited with the United States Post Service, as First Class Mail, in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450 on

February 5, 2004

By:

Shirley A. Betlach
Name: Shirley A. Betlach

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, VA 22313-1450

RF
FEB 13 2004

Dear Sir:

Applicant submits the reference listed on the attached form PTO-1449, copies of which are enclosed. This statement is being filed, to the best of Applicant's knowledge, before the receipt of a first Office Action on the merits.

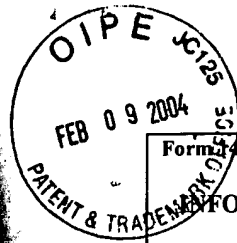
Respectfully submitted,

Date:

February 5, 2004

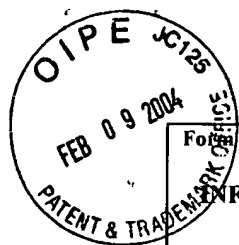
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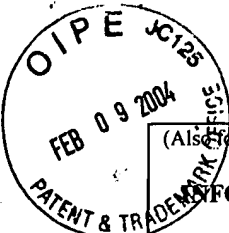


Form 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)		Docket Number: 1023-337US01		Application Number: 09/932,957	
		Applicant: Samuel J. Brewer			
		Filing Date: August 21, 2001		Group Art Unit: 2681	
		Examiner Name: Unknown			
U.S. PATENT DOCUMENTS					
Technology Center 2600					
Examiner Initial	Document Number	Issue/Document Publication Date	Name		Filing Date If Appropriate
FOREIGN PATENT DOCUMENTS					
Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No
OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)					
	Fowler et al., "Computer-Optimized Neurostimulation," APL Technical Digest vol. 12, no. 2, pp. 192-197, 1991.				
	North et al., "Patient-interactive, computer-controlled neurological stimulation system: clinical efficacy in spinal cord stimulator adjustment." Journal of Neurosurgery 76:967-972, 1992.				
	North et al., "Automated 'pain drawing' analysis by computer-controlled, patient-interactive neurological stimulation system," Pain 50:51-57, 1992.				
	North et al., "Computer-controlled, patient-interactive neurological stimulation system," (Abstract) Acta Neurochir 117:90, 1992.				
	North et al., "Patient-Interactive, Microprocessor-Controlled Neurological Stimulation System," (Abstract), Stereotactic and Functional Neurosurgery 62:309-315, 1994.				
	North et al., "Consensus Conference on the Neurosurgical Management of Pain," Neurosurgery 34:4, 756-761, 1994.				
	North et al., "A Prospective, Randomized Study of Spinal Cord Stimulation versus Reoperation for Failed Back Surgery Syndrome: Initial Results," Stereotact Funct Neurosurg 1994:62:267-272.				
	North et al., "Prognostic Value of Psychological Testing in Patients Undergoing Spinal Cord Stimulation: A Prospective Study," Neurosurgery, Vol. 39, No. 2, 1996.				
	North et al., "Specificity of diagnostic nerve blocks: a prospective, randomized study of sciatica due to lumbosacral spine disease," Pain, 65, pp. 77-85, 1996.				
	North et al., "Automated, Patient-Interactive, Spinal Cord Stimulator Adjustment: A Randomized Controlled Trial," Neurosurgery 52:572-580, 2003.				
	Khalessi et al., "Automated, patient-interactive spinal cord stimulator adjustment: A cost-minimization analysis," Neurosurgery, vol. 53, no. 2, pp. 501-502, 2003.				
EXAMINER			Date Considered		

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U.S. PATENT DOCUMENTS					
Examiner Initial	Document Number	Issue/Document Publication Date	Name	Filing Date If Appropriate	
	4,735,204	04/05/1988	Sussman et al.		
	4,784,142	11/15/1988	Liss et al.		
	4,803,988	02/14/1989	Thomson		
	4,813,418	03/21/1989	Harris		
	4,977,895	12/18/1990	Tannenbaum		
	5,002,053	03/26/1991	Garcia-Rill et al.		
	5,014,705	05/14/1991	Graupe et al.		
	5,052,391	10/01/1991	Silberstone et al.		
	5,081,989	01/21/1992	Graupe et al.		
	5,092,329	03/03/1992	Graupe et al.		
	5,117,826	06/02/1992	Bartelt et al.		
	5,143,089	09/01/1992	Alt		
	5,215,086	06/01/1993	Terry, Jr. et al.		
FOREIGN PATENT DOCUMENTS					
Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No
OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)					
	North et al., "Spinal cord stimulation for chronic intractable pain," Spinal Cord Stimulation II, pp. 49-63, Darmstadt, Steinkopff, 1995.				
	North et al., "Artificial Neural Networks: Application to Electrical Stimulation of the Nervous System," (abstract) Stereotactic and Functional Neurosurgery 65:161, 1995.				
	North et al., "Artificial Neural Networks: application to electrical stimulation of the human nervous system," Neurosurgical Focus 2(1:1):1-5, 1997.				
	North et al., "Patient-Interactive, Microprocessor-Controlled Neurological Stimulation System," Neuromodulation 1(4):185-193, 1998.				
	Fowler, K.R., "Neurological Stimulation System", Proceedings AAMI 21 st Annual Meeting, Apr. 12-16, 1986, p.27.				
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Issue/Document Publication Date	Name	Filing Date If Appropriate
	5,314,458	05/24/1994	Najafi et al.	
	5,330,515	07/19/1994	Rutecki et al.	
	5,335,657	08/09/1994	Terry, Jr. et al.	
	5,354,320	10/11/1994	Schaldach et al.	
	5,370,672	12/06/1994	Fowler et al.	
	5,387,231	02/07/1995	Sporer	
	5,417,719	05/23/1995	Hull et al.	
	5,423,877	06/13/1995	Mackey	
	5,443,486	08/22/1995	Hrdlicka et al.	
	5,458,625	10/17/1995	Kendall	
	5,458,626	10/17/1995	Krause	
	5,466,246	11/14/1995	Silvian	
	5,540,730	07/30/1996	Terry, Jr. et al.	

FOREIGN PATENT DOCUMENTS

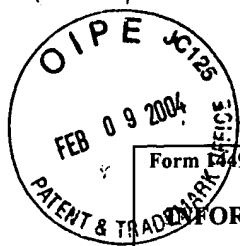
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OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)

	North et al., "Spinal Card Stimulation for Chronic, Intractable Pain: Experience over Two Decades Clinical Study," Neurosurgery, vol. 32, no. 3, pp. 384-395, 1993.
	North et al., "Spinal cord stimulation for chronic, intractable pain: superiority of 'multi-channel' devices," Pain, V44, 1991, pp. 119-130.
	North et al., "Spinal Cord Stimulation for Chronic Pain," Functional Neurosurgery, vol. 6, no. 1, January, 1995, pp. 145-155.
	North, R.B., "Spinal Cord Stimulation for Chronic, Intractable Pain," Electrical and Magnetic Stimulation of the Brain and Spinal Cord, 1993, pp. 289-301.
	North, R.B., "The Role of Spinal Cord Stimulation in Contemporary Pain Management," APS Journal, vol. 2, No. 2, 1993, pp. 91-99.

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U.S. PATENT DOCUMENTS					
Examiner Initial	Document Number	Issue/Document Publication Date	Name	Filing Date If Appropriate	
	5,569,166	10/29/1996	Stone		
	5,643,329	07/01/1997	Solomonow et al.		
	5,643,330	07/01/1997	Holsheimer et al.		
	5,702,429	12/30/1997	King		
	5,716,377	02/10/1998	Rise et al.		
	5,725,564	03/10/1998	Freed et al.		
	5,843,139	12/01/1998	Goedeke et al.		
	5,938,690	08/17/1999	Law et al.		
	6,308,102 B1	10/23/2001	Sieracki et al.		
	6,654,642 B2	11/25/2002	North et al.		
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OTHER DOCUMENTS (Including Authors, Title of Item, Page(s), Vol/Issue No., Publisher, Place of Publication)					
	Alo et al., "Computer Assisted and Patient Interactive Programming of Dual Octrode Spinal Cord Stimulation in the Treatment of Chronic Pain," Neuromodulation, vol. 1, No. 1, 1998 pp. 30-45.				
	Fowler et al., "Patient-interactive PC interface to implanted, multichannel stimulators," Proceedings of 39 th Annual Conference on Engineering in Medicine and Biology, p. 380, 1986.				
	North et al., "Computer-Controlled, Patient-Interactive, Multichannel, Implanted Neurological Stimulators," Applied Neurophysiology 50:39-41, 1987.				
	North et al., Computer-controlled, multichannel, implanted neurological stimulation system: Clinical assessment," Pain (Suppl.) 5:S83, 1990.				
	Fowler et al., "Computer-Optimized Neurological Stimulation," Proc. Ann. Internat. Conf. IEEE Engineering Medicine and Biology Soc., vol. 13, no. 4, pp. 1692-1693, 1991.				
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